

IN THE DRAWINGS:

Please amend the drawings as set forth in the accompanying Request for Approval of Drawing Changes. This request proposes to amend Figures 1, 2, and 5-9 of the drawings.

IN THE SPECIFICATION:

25 Please correct line 37 of page ~~4~~⁷ to read -- signals 27 to be further processed. --.

REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Claims 1-16 and 18 are pending in this application. Applicants propose to amend Figures 1, 2, and 5-9 of the drawings as indicated in the accompanying Request for Approval of Drawing Changes. By this amendment, applicants have amended the specification according to the requested changes to the drawings.

Applicants acknowledge, with appreciation, the Examiner's indication that Claims 4, 8, 10, and 14 are allowable.

In Section 2 of the Official Action, the Examiner has objected to figures 1, 2, and 5-9 of the drawings. As noted above, applicants have submitted a Request for Approval of Drawing Changes accompanying this amendment, including marked photocopies of proposed drawing

changes addressing this objection. Accordingly, it is respectfully requested that the Examiner approve these drawing changes.

In Section 4 of the Official Action, the Examiner has rejected claims 1-3 and 5-7 under 35 U.S.C. §102(e) as being anticipated by Wesel et al. (U.S. Patent 6,125,150). Claim 1 claims a transmission method for transmitting OFDM-signals, comprising the steps of: modulating said signals onto a plurality of subcarriers using a OFDM-modulation method, transforming said modulated signals into the time domain, and transmitting said signals characterized in that in said modulating step every M-th subcarrier is modulated with a signal, wherein M is an integer and $M \geq 2$. Accordingly, in the method of claim 1, not every subcarrier is modulated and those subcarriers that are modulated are modulated according to a regular pattern determined by the value of M. A subset of the available subcarriers is modulated. For example, where M equals 2, every second subcarrier is modulated. Where M equals 3, every third subcarrier is modulated, and so on.

By contrast, those portions of Wesel et al. upon which the Examiner relies do not appear to disclose this method. The Examiner refers to Fig. 4b and col. 5, lines 32-35 of Wesel et al. with respect to “transmitting said signals characterized in that in said modulating step every M-th subcarrier is modulated with a signal, wherein M is an integer and $M \geq 2$.” However, it is respectfully submitted that this reference in Wesel et al. does not address modulating a subset of the available subcarriers. This reference in Wesel et al. states in part that “... the modulator and transmitter are those commonly known in the industry ...” without addressing modulating less

than all the available subcarriers. Similarly, Figs. 4a and 4b show a "MODULATOR" without elaboration. Therefore, Wesel et al., as referenced by the Examiner, does not appear to disclose modulating less than all the available subcarriers or modulating some of the available subcarriers according to a regular pattern.

Accordingly, it is respectfully submitted that claim 1 and claims 2-3 that depend therefrom are not anticipated by Wesel et al. A similar argument applies to claims 5-7.

Based upon the foregoing, it is believed that claims 1-3 and 5-7 are not anticipated by nor rendered obvious by the referenced teachings of Wesel et al. Accordingly, it is believed that the Examiner's rejection of claims 1-3 and 5-7 based upon 35 U.S.C. §102(e) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

In Section 5 of the Official Action, the Examiner has rejected claims 9, 11-13 and 15-16 under 35 U.S.C. §102(e) as being anticipated by Brink et al. (U.S. Patent 6,038,450). The present application is entitled to the European priority filing date of September 4, 1997. Applicants note that the European application was filed in the English language. This priority date antedates the September 12, 1997 U.S. filing date of Brink et al. In view of the earlier effective filing date of the present application, Brink et al. is not available as 102(e) prior art with respect hereto. It is, therefore, requested that this reference be removed and that the rejection of claims 9, 11-13, and 15-16 as being anticipated by Brink et al. be withdrawn

In Section 6 of the Official Action, the Examiner has rejected claim 18 under 35 U.S.C. §103(a) as being unpatentable over Wesel et al. (U.S. Patent 6,125,150) in view of Brink et al.

(U.S. Patent 6,038,450). As noted above, it is requested that the reference to Brink et al. be removed and so it is further requested that the rejection of claim 18 as being unpatentable over Wesel et al. in view of Brink et al. be withdrawn.

Conclusion

In view of the foregoing, entry of this Amendment, and the allowance of this application with Claims 1-16 and 18 is respectfully solicited.

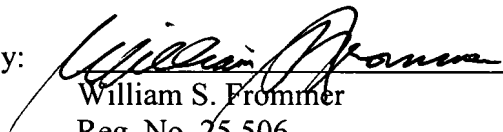
In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicant's representative at the telephone number written below.

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made."

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

The last full paragraph on page 4 has been rewritten as follows:

--In fig. 5, an embodiment of a receiving apparatus according to the present invention is shown. Data transmitted, e. g. from a transmission apparatus as shown in fig. 1, are received in an antenna 19 and RF-downconverted in a RF-downconversion means 20. Then, the signals are analog to digital converted in an A/D-converter 21 and fed to a time/frequency synchronization means 22. In the time/frequency synchronization means 22, the received signals are correlated and synchronized, so that a proper transformation to the frequency domain in a succeeding discrete Fourier transformation means 23 can be executed. The transformed signals are then demodulated in a demodulation means 24. The demodulated signals are de-interleaved in de-interleaving means 25 and then channel-decoded in a channel-decoding means 26. The channel-decoding means 26 outputs data signals 27 to be further processed.--